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A MICROCONTROLLER HAVING AN ON-CHIP HIGH GAIN AMPLIFIER

ABSTRACT OF THE DISCLOSURE

A microcontroller includes a wide band, high gain amplifier on-chip capable of driving a 32 ohm speaker. The amplifier is controllable by the microcontroller processor to either enable or disable the amplifier and switch between multiple modes of power. In one embodiment, one or more such amplifiers are situated anywhere on the integrated circuit die including at the corners of the die.

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